

ABSTRACT OF THE DISCLOSURE

An engine cranking system includes an engine, a cranking motor coupled to the engine, a battery, a capacitor and an ignition switch. A first relay is connected between the cranking motor and system ground. A second relay is moveable between at least an open-circuit condition and a closed-circuit position to complete an electrical path connecting the capacitor with the cranking motor. The first relay is connected between the capacitor and the second relay. In one embodiment, a running engine sensory component is coupled between the first relay and system ground. In another embodiment, the engine cranking system includes a running engine sensory component connected to a relay and a control module connected to the relay and the capacitor. In one embodiment, a momentary switch is coupled between the capacitor and the relay.